1999-604103/52 D15 **KURK 1998.03.16**
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De:phosphorus apparatus for sewage, faeces or waste water treatment - has supply pipe to add magnesium salt to phosphorus content water introduced by reactor

C1999-176135

D(4-A1P, 4-B7B)

NOVELTY

Phosphorous content inlet pipe (1) and a dephosphorised water outlet pipe (4) are respectively connected to lower and upper portions of a magnesium ammonium phosphate (MAP) reactor (2). Portion of treated water is returned to inlet pipe from reactor (2) through circulation pipe (3). Magnesium salt is supplied through supply pipe (5) to inlet pipe.

DETAILED DESCRIPTION

Alkali substance is supplied through supply pipe (6) to reactor which is further connected to outlet pipe (7) of MAP particle.

USE

For treatment of phosphorus content water such as sludge dehydration filtrate, sewage, faeces and drainage waste.

ADVANTAGE

Formation of fine MAP particle and its precipitation inside MAP reactor are prevented. Dephosphorus process can be performed over long period and phosphorus removed water is obtained.

DESCRIPTION OF DRAWING(S)

The figure shows schematic flow chart of dephosphorus process.
(1) Inlet pipe;
(2) MAP reactor;
(3) Circulation pipe;
(4,7) Outlet pipes;
(5,6) Supply pipes. (PKG)

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